

Data Sheet

CVSWP 320-850 (LF102474)

Continuously variable short-wavelength-pass filter with $\lambda_{50\%}$ travelling from ≤ 320 nm to ≥ 850 nm within ≤ 58 mm

OD2 blocking reached within $0.02 * \lambda_{50\%}$

Near-edge average transmittance

T_{avg}	$\lambda_{50\%}$	Interval start	Interval end
$\geq 42\%$	320 nm – 370 nm	$0.96 * \lambda_{50\%}$	$0.99 * \lambda_{50\%}$
$\geq 65\%$	370 nm – 430 nm	$0.95 * \lambda_{50\%}$	$0.99 * \lambda_{50\%}$
$\geq 85\%$	430 nm – 520 nm	$0.95 * \lambda_{50\%}$	$0.99 * \lambda_{50\%}$
$\geq 90\%$	520 nm – 850 nm	$0.95 * \lambda_{50\%}$	$0.99 * \lambda_{50\%}$

Broad-band minimum transmittance

T_{min}	$\lambda_{50\%}$	Interval start	Interval end
$\geq 40\%$	320 nm – 330 nm	305 nm	$0.98 * \lambda_{50\%}$
$\geq 60\%$	330 nm – 370 nm	$0.94 * \lambda_{50\%}$	$0.98 * \lambda_{50\%}$
$\geq 70\%$	370 nm – 430 nm	$0.88 * \lambda_{50\%}$	$0.98 * \lambda_{50\%}$
$\geq 80\%$	430 nm – 520 nm	$0.83 * \lambda_{50\%}$	$0.98 * \lambda_{50\%}$
$\geq 87\%$	520 nm – 850 nm	$\lambda_{50\%} - 100$ nm	$0.98 * \lambda_{50\%}$

Broad-band blocking (maximum transmittance)

T_{max}	$\lambda_{50\%}$	Interval start	Interval end
$\leq 1\%$	320 nm – 850 nm	$1.02 * \lambda_{50\%}$	$1.45 * \lambda_{50\%} + 220$ nm
$\leq 0.2\%$	320 nm – 850 nm	$1.03 * \lambda_{50\%}$	$1.4 * \lambda_{50\%} + 220$ nm

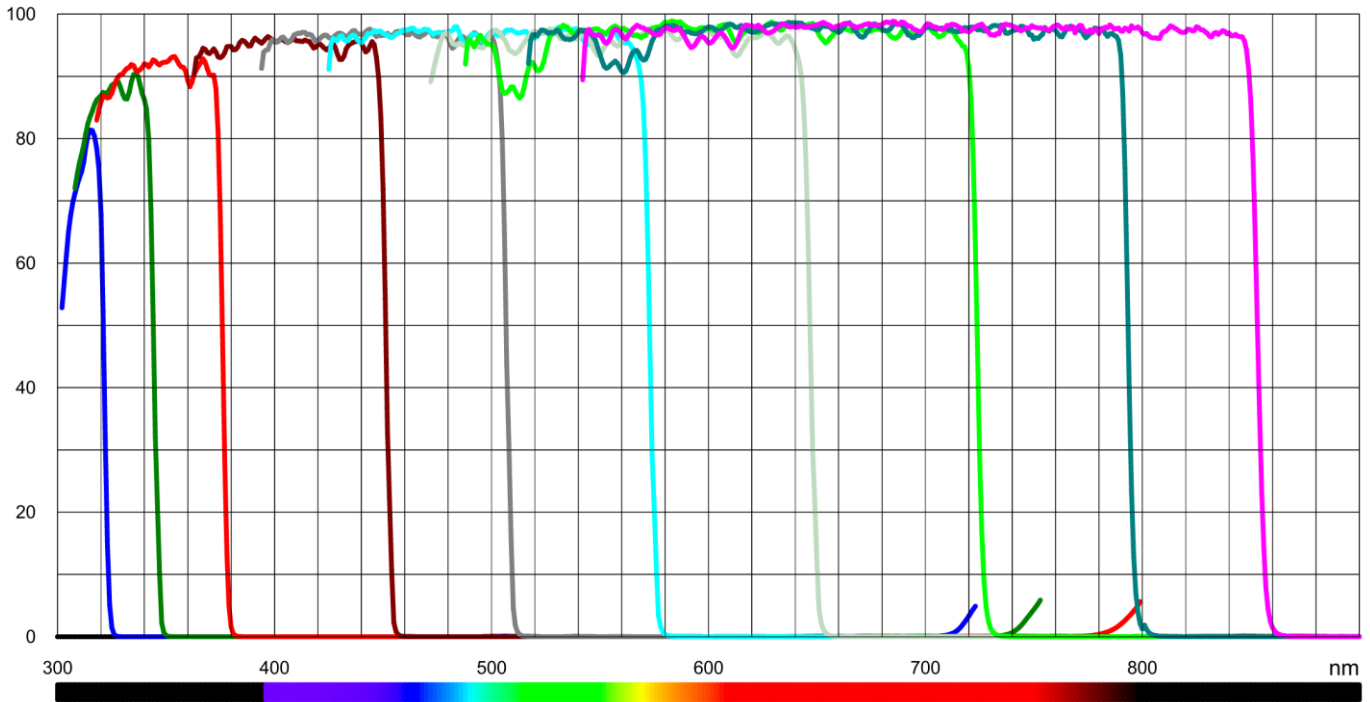
Broad-band blocking (average transmittance)

T_{avg}	$\lambda_{50\%}$	Interval start	Interval end
$\leq 0.02\%$	395 nm – 815 nm	$1.03 * \lambda_{50\%}$	$1.4 * \lambda_{50\%} + 220$ nm

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Typical transmission of CVSWP 320-850 (LF102474)



Typical blocking of CVSWP 320-850 (LF102474)

